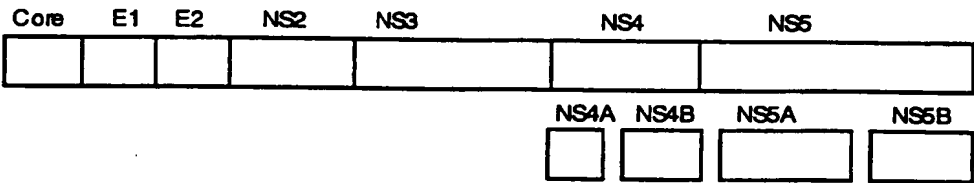




FIGURE 1





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FIGURE 2

SEQ. ID. NO:1

MSHVAVENALGLDQFAGLDLNSSDNQSGGSTASKGRYIPPHLRNREATRGFYDKDSSSGWSSSKDKDAYSSFGSRSDSRGKSSFFS
DRGSGSRGRFDDRGSRDYGIGSRGDRSGFGKFERGGNSRWCDKSDDEDDWSKPLPPSERLEQELFSGGNTGINFEKYDDIPVEATG
NNCPPIESFSDVEMGEIIMGNIELTRYTRPTPVQKHAIPIIKEKRDLMACAQGTSGKTAFLPLILSQIYSDGPGGEALRAMKENG
RYGRRKQYPISLVLAPTRELAVQIYEEARKFSYRSRVRPCVVYGGADIGQIRDLERGCHLLVATPGRLVDMMERGKIGLDFCKYL
VLDEADRMLDMGFEPIRRIVEQDTMPKGVHTMMFSATFPKEIQMLARDFLDEYIFLAVGRVGSTSENITQKVWVVEESDKRSF
LLDLLNATGKDSLTLVFVETKKGADSLDEFLYHEGYACTSIHGDRSQRDREELHGFSGKSPILVATAVARGLDISNVKHHVINF
DLPSDIEEYVHRIGRTGRVGNLGLATSFNERNINITKDLLLVEAKQEVPSWLENMAYEHYKGGSSRGRSKSSRFGGFGARDY
RQSSGASSSSSRASSRSGGGHGGSSRFGGGYGGFYNSDGYGGNYNSQGVDDWWGN

SEQ. ID. NO:2

GSTSENIQKVWVVEESDKRSFLDLLNATGKDSLTLVFVETKKGADSLDEFLYHEGYACTSIHGDRSQRDREELHGFSGKSPIL
LVATAVARGLDISNVKHHVINFDLPSDIEEYVHRIGRTGRVGNLGLATSFNERNINITKDLLLVEAKQEVPSWLENMAYEHY
KGSSRGRSKSSRFGGFGARDYRQSSGASSSSSRASSRSGGGHGGSSRFGGGYGGFYNSDGYGGNYNSQGVDDWWGN



Title: HCV CORE PROTEIN BINDING AGENTS FOR
TREATMENT OF HEPATITIS C VIRUS INFECTION
Applicants: Howard J. Worman and Naoto Mamiya
U.S. Serial No. 09/407,432
Filed: September 29, 1999

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FIGURE 3

SEQ. ID. NO:3

VGSTSENITQKVVWVEESDKRSFLDLLNATGKDSLTLVFVETKKGADSLIEDFLYHEGYACTSIHGDRSQRDREELHQFRSGKSP
ILVATAVAARGLDISNVKHVINFDLPDIEEYVHRIGRTGRVGNLGLAT



FIGURE 4

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SEQ. ID. NO:4

```
1 atggatgac gaggatct ggtgtaccag gcgaagctgg ccgagcagcc tgagcgatac
61 gacgaaatgg tggagtcaat gaagaaagta gcagggatgg atgtggagct gacagttgaa
121 gaaagaaacc tcctatctgt tgcataaag aatgtgattg gagctagaag agcctcctgg
181 agaataatca gcagcattga acagaaagaa gaaaacaagg gaggagaaga caagctaaaa
241 atgattcggg aatatcggca aatggttgag actgagctaa agttaatctg ttgtgacatt
301 ctggatgtac tggacaaaca cctcattcca gcagctaaac ctggcgagtc caagggttttc
361 tattataaaa tgaaagggga ctaccacagg tatctggcag aatttgccac aggaacgac
421 aggaaggagg ctgaggagaa cagcctagtg gcttataaag ctgctagtga tattgcaatg
481 acagaacttc caccaacgca tctattcgc ttaggtcttg ctctcaattt ttccgtattc
541 tactacgaaa ttcttaattc cctgaccgt gcctgcaggt tggcaaaagc agcttttgat
601 gatgcaattg cagaactgga tacgctgagt gaagaaaagct ataaggactc tacacttacc
661 atgcagttgt tacgtgataa tctgacacta tggacttcag acatgcaggg tgacggtgaa
721 gaggagaata aagaagcgt gcaggacgtg gaagacgaaa atcagtgaga cataagccaa
781 caagagaaac ca
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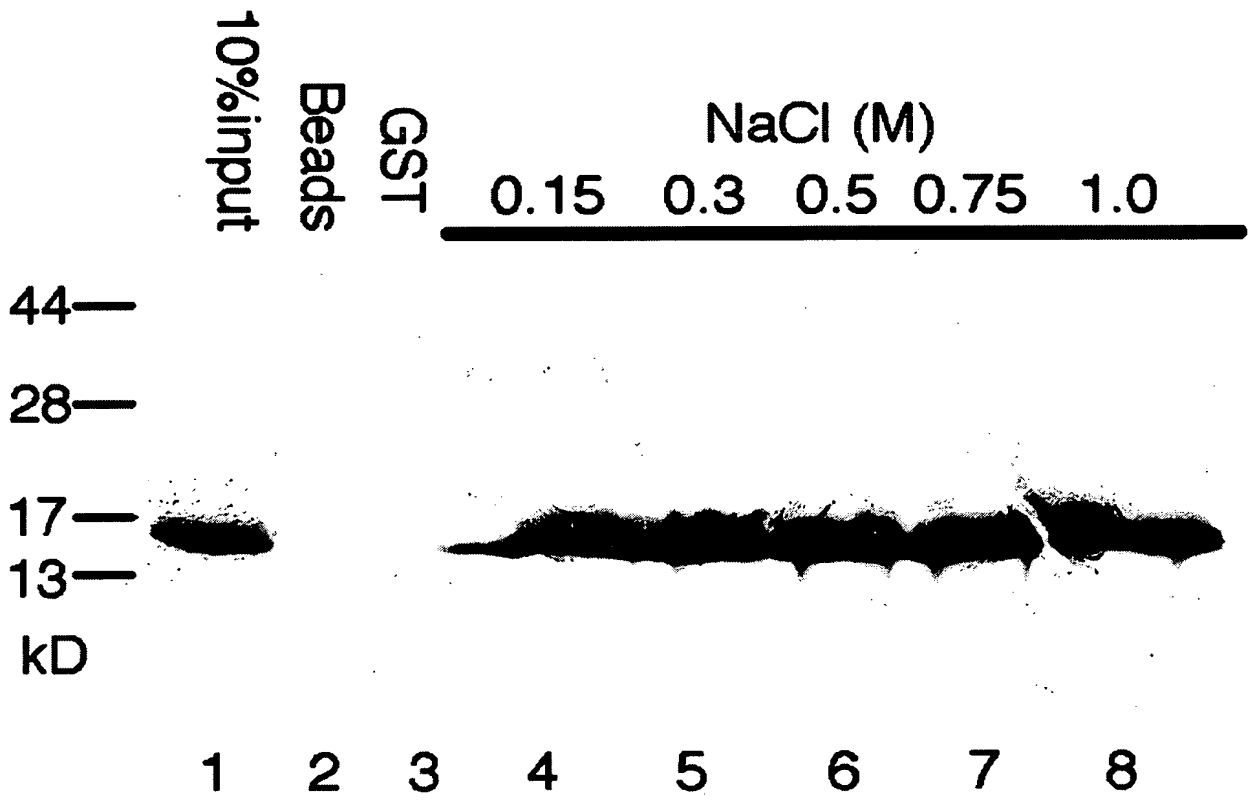
SEQ. ID. NO:5

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translation="MDDREDLVYQAKLAEQAERYDEMVESMKKVAGMDVELTVEERNL
LSVAYKNVIGARRASWRIISSIEQKEENKGGEDKLKMIREYRQMVETELKLIICCDILD
VLDKHLIPAANTGESKVFYKMKGDYHRYLAEFATGNDRKEAENS LVAYKAASDIAM
TELPPTHPIRLGLALNFSVFYIEILNSPDRACRLAKAAFD DAI AELDTLSEESYKDS T
LIMQLLRDNLTLWTSDMQGDGEEQNKEALQDVEDENQ"
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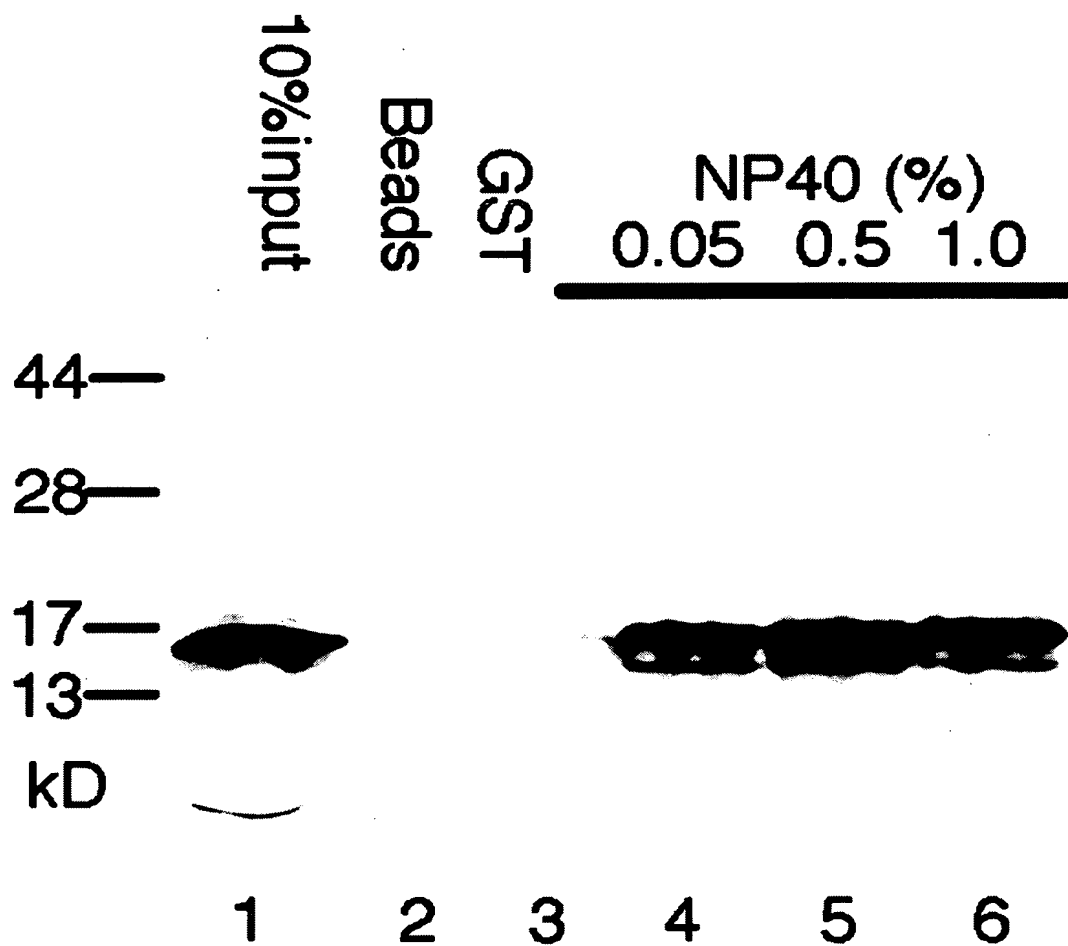
FIGURE 5A





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FIGURE 5B



DBX 1 MSHVAVENALGLDQQEAGLDINSSDNQSGGSTASKGRYIPPHLRNREATKCFYDKDSSCMSSSKDKDAYSSFGSRSDSRG
 PL10 1 MSHVAEEDELGLDQQEAGLDLTSRDSQSGGSTASKGRYIPPHLRNREAAKAFYDKDCGRW..SKDKDAYSSFGSRSDTRA
 Ded1p 1MAELSEQVQNLSTINDNNENG.....YVPPHLR.....GKPRSAARNSSNNNNN..GGYNGGRC
 DBX 81 KSSFFSDR.GSGSRGRFDDRCRSDYDGI GSRGDRSGFGKFERGNN..SRWCDKSDDEDDWSKPLPPSERLEQELFSGGNTG
 PL10 79 KSSFFSDRCGSGSRGRFDERGRSDYEV GSRGERSGFGKFERGNN..SRWCDKADEDDWSKPLPPSERLEQELFSGGNTG
 Ded1p 53 GGSFFSN...NRGCGYNGGCGFFGGNGGSRSGRSGRWIDGKHVPAPRNEKAEIAIEGVPEDENFQ.....SSG
 DBX 158 INFKEYDDIPVEATGNPCPHIESFSDVEMGEIIMGNIELTRYTRTPVQKHAIPIIKEKRDLMACAQGTSGKTA AFLLP
 PL10 157 INFKEYDDIPVEATGNPCPHIESFSDVEMGEIIMGNIELTRYTRTPVQKHAIPIIKEKRDLMACAQGTSGKTA AFLLP
 Ded1p 120 INFENYDDIPVDA SCKDVPEPLTEFTISPPIDGCLTENIKLARETKPTPVQKYSVPIVANGRDLMACAQGTSGKTCGFLFP
 DBX 238 ILSQIYSDGPGEALRAMKENGKYGRRKQYPISLVLAPTRRELAVQIYEEARKFSYRSRVRPCVVYGGADIGQQIRDLRGC
 PL10 237 ILSQIYEDGPGEALRAMKENGKYGRRKQYPISLVLAPTRRELAVQIYEEARKFSYRSRVRPCVVYGGADIGQQIRDLRGC
 Ded1p 200 VLSSEKTKGPS...QPESQSGSYQKAYPTAVIMAPTRRELATQIDDEAKKFTYRSWKACVVYGGSPIGNQRETERGC
 DBX 318 HLLVATPGRLVDMMERGKIGLDFCKYLVLDEADRMIDMGFEFQIRRIVEQDTMPKGV RHTMFSATFPKEIQMLARDFL
 PL10 317 HLLVATPGRLVDMMERGKIGLDFCKYLVLDEADRMIDMGFEFQIRRIVEQDTMPKGV RHTMFSATFPKEIQMLARDFL
 Ded1p 277 DLLVATPGRLNDLETERGKISLANVKYLVLDEADRMIDMGFEFQIRRIVEQDTMPVGERQTMFSATFPADIQELARDFL
 DBX 398 DEYIFLAVGRVGSTSENITQKVWVVEESDKRSFLDLLNATGKDSLTLVFVETKKGADSLDFLYHEGYACTSIHGDRSQ
 PL10 397 DEYIFLAVGRVGSTSENITQKVWVVEEADKRSFLDLLNATGKDSLTLVFVETKKGADSLDFLYHEGYACTSIHGDRSQ
 Ded1p 357 SDYIFLSVGRVGSTSENITQKVWVVENQDKKSA LLDLSA.STDGLTLIFVETKRMADQLTDFLIMONERATAIHGDRTIQ
 DBX 478 RDREELHQFRSGKSPILVATAVAARGLDISNVKHVINFDLPDIEEYVHRIGRTGRVGNLGLATSFENERNINITKDLL
 PL10 477 RDREELHQFRSGKSPILVATAVAARGLDISNVKHVINFDLPDIEEYVHRIGRTGRVGNLGLATSFENERNINITKDLL
 Ded1p 436 SERERAAAFRSGAATLLVATAVAARGLDIPNVTHVINVDLPDSDVDDYVHRIGRTGRAGNTGLATAFFENSENSNIKGLH
 DBX 558 DLLVEAKQEVPSWLENMAVEHHYKSGSRGSKSRFSGCGFGARDYRQSSGASSSSFSRSSRASSSRSGGCGHSGSRGFGGG
 PL10 557 DLLVEAKQEVPSWLENMAVEHHYKSGSRGSK.SRFSGCGFGARDYRQSSGASSSSFSRASNRSRSGGSHSGSRGFGGG
 Ded1p 516 EILTEANQEVPSFLKDAAMS...APGSRSNRRGGF.GRNNNRDYRKACGASAGGCGSSSRSDNSFRGGS....GCGSD
 DBX 638 GYGGFYNSDGYGGINYSQGVDMWGN
 PL10 636 SYGGFYNSDGYGGINYSQGVDMWGN
 Ded1p 587 S.....KSSGTCNSGGSNNSSMW...

FIGURE 6A

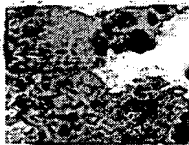




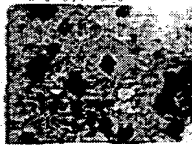
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FIGURE 6B

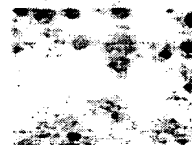
DBX



PL10



Ded1p

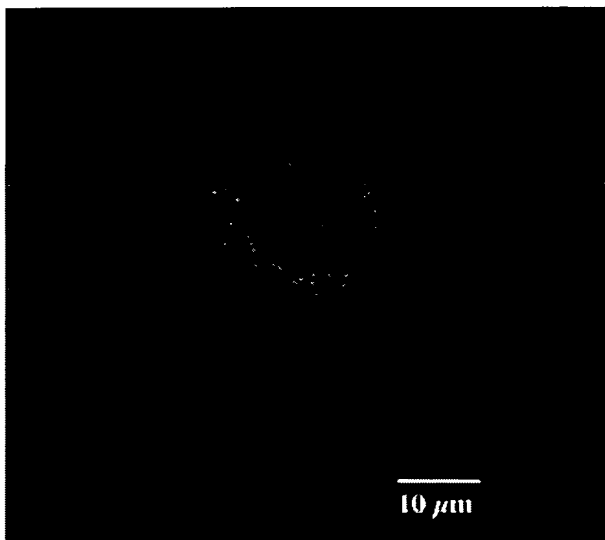




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FIGURE 7A

CORE



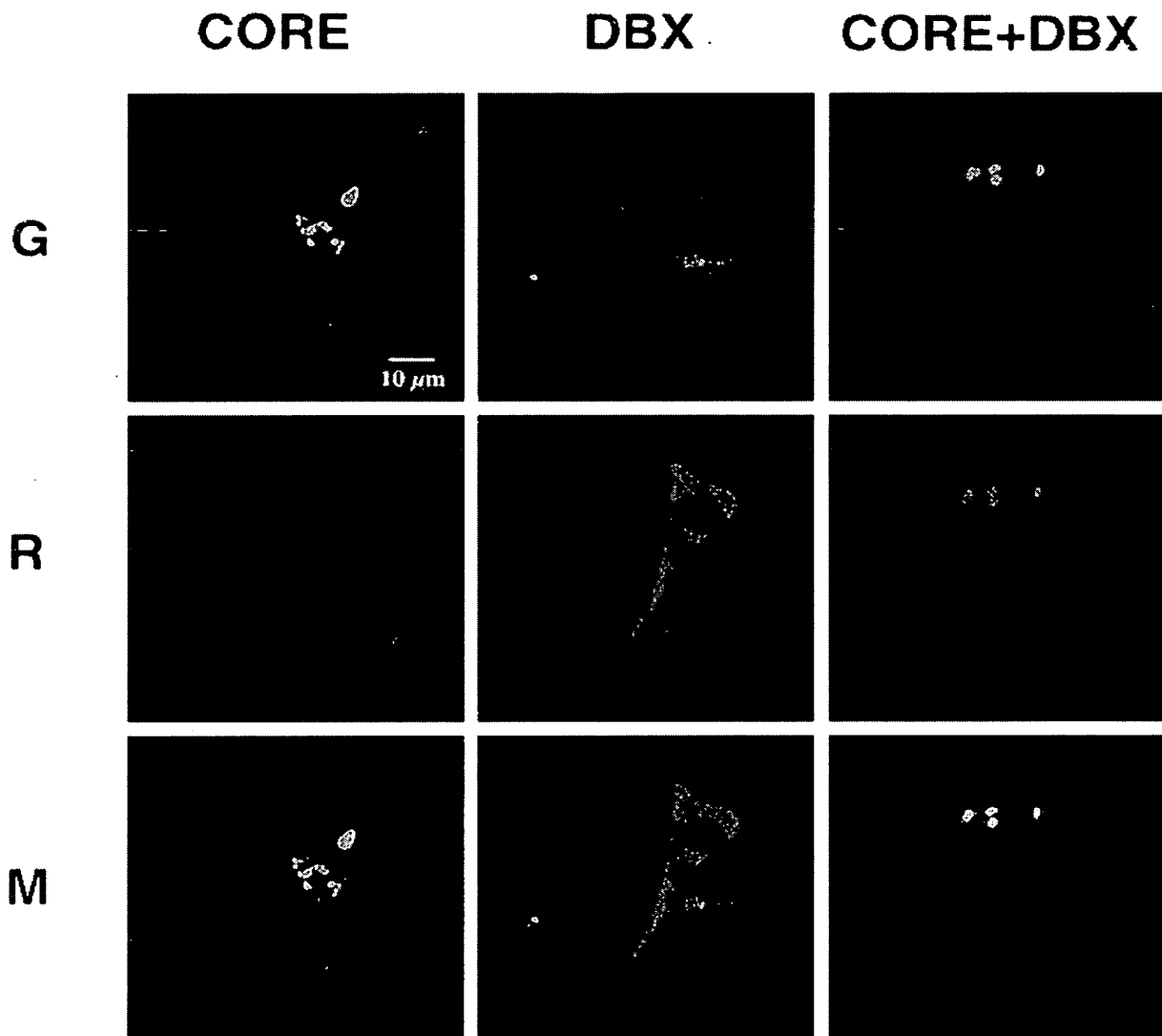
DBX





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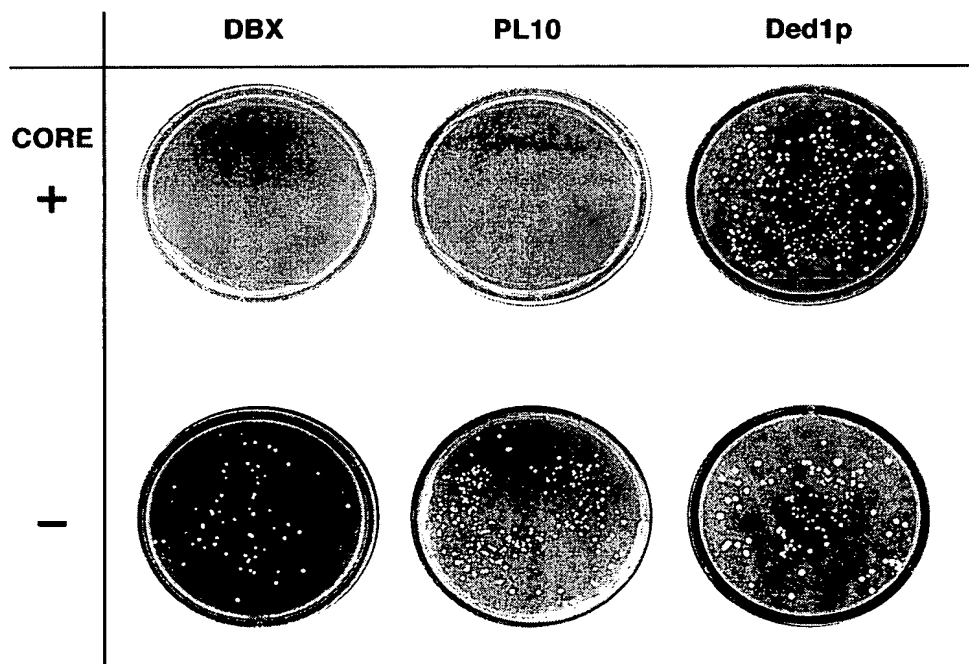
FIGURE 7B





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FIGURE 8





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FIGURE 9

